

CONFIDENTIAL INFORMATION REPORT

COUNTRY USSR

SUBJECT Moscow Electric Pump Factory

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1. The Moscow Electric Pump Factory (Moskovski Zavod Elektronasosov) is located in the Zhdanovski Raion of Moscow. The factory is under the control of the Chief Directorate for Allied Industry of Machine Tool Construction of the Ministry of Machine Tool Construction of the USSR.
2. The factory was opened during the war and was intended exclusively for the production of electric pumps for machine tools in production at machine tool factories, but under the postwar Five Year Plan the factory was expanded and now produces small electric motors in addition to electric pumps.
3. The basic production of the factory at present is electric pumps of the P-22 type for feeding the liquid which cools tools and machine metal. Secondary production consists of electric motors of small over-all dimensions and high-frequency motors. Fourteen various types of electric motors are produced and several more types have been designed.
4. The unsatisfactory work of the factory in its early days was mainly the result of the shortage of iron castings (bodies, pump lids) and non-ferrous metal castings. Iron castings were supplied by the Moscow Stankolit Factory, also controlled by the Chief Directorate for Allied Industry of Machine Tool Construction, but these small castings were delivered with considerable delay. The following measures have been taken in the last four years to improve the working of the factory:
 - a. In 1946, the Electric Pump Factory passed orders for iron castings to another small iron foundry.
 - b. In 1948, the factory organized its own foundries. A small cupola furnace with an output of one ton per hour was installed, and a foundry shop for non-ferrous castings was equipped for pressure and chill casting.
 - c. The stamping, assembling, engineering, and tool shops were reorganized.
 - d. The production of pumps in large series was switched over to the continuous line system (Potochnaya Sistema).
5. Following are production figures for electric pumps:
 - a. In 1945, according to the plan of the Ministry of Machine Tool Construction of the USSR, the factory was to have produced 24,000 pumps. It actually produced only about 17,000 pumps.

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- b. In 1948, the factory produced about 48,000 electric pumps of the old type.
- c. In 1949, about 54,000 pumps of the new type will be produced.
- 6. In 1949, the P-22 pump was modernized, its output increased by 15-20 percent and its weight reduced. Work on its modernization was carried on in 1948 and completed in November 1948. In January 1949, large-series, continuous line production of this new pump was started, and production of the old pump ceased. In 1945, production of the old pump required 17 hours; in 1948: 10 hours. Production of the new pump requires about 13 hours at present, but it is hoped that this will be reduced to 10-11 hours (norm-hours).
- 7. Type T-842 electric motor with three speeds is produced in medium series. Other types are produced in small series. T-842 requires about 60 norm-hours to produce.
- 8. Chief personnel at the factory includes the following:
 - a. Director: A.M. Tverdovski
 - b. Deputy Director: Belolipetski
 - c. Chief engineer: Sevastiyarov
 - d. Chief Designer: Guriyev
- 9. There are two shifts at the factory (morning and evening), with about 300 in each shift.

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